

INVESTIGATION PLAN

MAKING SURE WE DESIGN A FAIR TEST!

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A scientific investigation requires a **fair test** in order to be confident in the results. Use this checklist to make sure the investigation plan is a **fair test**.

Plan is Repeatable

- Clear procedure that someone else could follow
- Description of what will be observed, measured, and recorded
- Identification of what changes (variables) and what stays the same (controls) in an experimental investigation



Plan Generates Quality Data

- Data can be collected and directly relates to the question (appropriate)
- Enough trials can be conducted to confidently generate evidence (sufficient)



Plan Minimizes Error

- Choose appropriate tools and materials
- Implement the investigation plan consistently and carefully
- Identify and address potential sources of error

